# Work Order Bid (ID)

CAC Housing \_Energy Services



#### **WORK ORDER INFORMATION**

Work Order Name: WO/80008KN1811/1
Work Order Type: Weatherization
Audit Name: 80008KN1811-audit

## **CLIENT INFORMATION**

Client ID: 80008KN1811

#### AGENCY INFORMATION

Agency: Knoxville- Knox County Community Action Agency Agency Phone: (865) 244-3080

Address: (PO Box 51650) 2247 Western Avenue Fax: (865) 544-1647

Knoxville, TN 37950-1650 *Email Address:* 

Agency Contact: Cate, Aaron Work Phone: (865) 244-3080

Cell Phone:

Email Address: aaron.cate@cachousing.org

Company Name & License Number:	
Contractor's Signature:	

## COMMENT

Comments
Single Family Dwelling
Contractor to follow 2006 International Residential Code as adopted by the City of Knoxville or Knox County as applicable.
City-House age is 1930
RRP Certified Firm/Renovator Required

## Measures

Measure 1		n Pane (upto 10 squa (2),w3	re feet)		Componen	ts		1.	nspected
		Appendix A- Standards ation Materials and Te		Veathe	erization Fiel Estimated			Actual	
# Material / Lab	oor L	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1 Labor	la	abor	Each	6					
1 Unspecified		Broken Pane (upto 10 equare feet) (+)	Each	6					
Other Detail					) [		r	1	
				L					
				Measur	e Sub Total:		;	Sub Total:	
Field Notes:									

		lex Duct(16") (35 linear ox to Unit)	ft Return		Componen	ts		*****	Inspected
C	short secui liner i out. M zip tie with a Stand	Duct must be sized correctly est route, Must be red with straps to alleviate s is fully stretched Must have a minimum of R- e and then taped appropriate UL 181 tape. No dards for Weatherization rials and Tennessee Weath	agging, a 8 insulatio o changes	nd mus n arou	et be pulled to and it. Must be ad. Refer to A	ight so the	nat inne		
					Estimated			Actual	
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Unspecified	Flex Duct	Linear Foot	35					
1	Labor	labor	Linear Foot	35					
(	Other Detail								
				Measur	e Sub Total:	,.	] .	Sub Total:	
	Field Notes:								

C	Liquid M box whei Minimum Weather	oox made of 28 gauge ga lastic to be applied to reture re it meets return registen. No changes allowed. Re rization Materials and Sou Appendix A- Standards fuide.	urn box to r with app Refer to A <sub>l</sub> utheast Fi	seal a propriat ppendi ield Gu	all seams. Se te caulk. Inst x A- Standal iide. No cha	eal front oulate with rds for alle	of returr R-8 owed.	1	
					Estimated	<u></u>		Actual	
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Construction Mate	Return Box	Each	1					
1	Labor	Labor	Each	1					
		Refer to Attachment A- Standards for Weatherization Materials and Southeast Field Guide.							
C	Other Detail								
[									
				Measur	e Sub Total:		] :	Sub Total:	
	Field Notes:								

Components

Measure 3 Return Box

Inspected

ı	Measure	4 Retu	rn Register/Filter Grill			Componer	ıts			Inspected
С	omment	existing changes	egister to be replaced w return box and homeow allowed. Refer to Appe theast Field Guide.	ner provide	ed w/ 6	filters of th	at size. N	0		
		Remove installed	old return line Install	new line fr	om un	it to new ret Estimate		eing	Actual	
#	Material /	Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Labor		Labor	Each	1					
1	Construc	tion Mate	Return Register	Each	1					
			Refer to Attachment A- Standards for Weatherization Materials and Southeast Field Guide.							
C	ther Detai	I								
					Measur	e Sub Total:		,	Sub Total:	
	Field Note	es:								

1		Rod and Repair Floor Insul ft foundation 1	lation 300	sq	Componen	ts		I	nspected
C		er to Appendix A- Standards inessee Weatherization Field		erizatio	on Materials	and			
					Estimated			Actual	
#	Material / Labo	or Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Unspecified	Rod and Repair Floor Insulation (+)	SqFt	300			AAAAA		
1	Labor	labor	SqFt	300					
0	ther Detail						<b>-</b>		
					L				
			,						
				Measur	e Sub Total:		] ;	Sub Total:	
	Field Notes:							-	
٠									

		ieaters should be re-insu	iated to at	ieasi r	र-10 with an	external			i
		on blanket unless water							
		abel gives specific instru		to insu	late or the w	/ater hea	ter is		
		insulated. Keep insulation							
		nches away from gas val		rner ad	ccess panel.	Don't ins	stall		
		on below the burner acce							
		Flammable Vapor Ignition		it mode	els have com	ibustion i	ntake		
		at must be left open. Fol					P. 410.		
		oufacturer's instructions v		lling ins	sulation blan	ikets on (	FVIR)		
		eaters so to not damage		lioobar	aa nina wiith	inaulatia	n Dani	<b>.</b>	
		over the pressure relief v the tops of gas fired wat		liscriar	ge bibe with	msulatio	n. Don	(	
		to avoid obstructing drat		Mark th	e hlanket to	Incate th	_		
		stat and heating element		viain (ii	C DIAITICE TO	iocate ti	C		
		r cut the blanket at these		When	vou cut the	blanket	cut the	<b>a</b>	
		and the sides but not the			. ,	DIGITION	, out an	•	
		s creates a flap that rema		d in pla	ce. Don't co	ver the p	ressure	)	
		lve and discharge line. C		•					
	the top	of the water heater with	insulation	if it doe	esn't obstruc	t the pre	ssure		
	relief va	lve. Install three zip tie st	raps			,			
	1st 6" fr	om the top 2nd in the Mid	ddle, 3rd-	6" from	Bottom).				
					Estimated	1		Actual	
#	Material / Labor		1124						
		Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
	Hot Water Equipm	•	Each	Qty 1	Unit Cost	Total	Qty	Unit Cost	Total
	Hot Water Equipm	Description / Comment  DHW Tank Insulation		•	Unit Cost	Total	Qty	Unit Cost	Total
1	Hot Water Equipm	•		•	Unit Cost	Total	Qty	Unit Cost	Total
1	Labor	DHW Tank Insulation	Each	1	Unit Cost	Total	Qty	Unit Cost	Total
1		DHW Tank Insulation	Each	1	Unit Cost	Total	Qty	Unit Cost	Total
1	Labor	DHW Tank Insulation	Each	1	Unit Cost	Total	Qty	Unit Cost	Total
1	Labor	DHW Tank Insulation	Each	1	Unit Cost	Total	Qty	Unit Cost	Total
1	Labor	DHW Tank Insulation	Each	1	Unit Cost	Total			Total
1	Labor	DHW Tank Insulation	Each Each	1	Unit Cost	Total		Unit Cost	Total
1 2 0	Labor ther Detail	DHW Tank Insulation	Each Each	1		Total			Total
1 2 0	Labor	DHW Tank Insulation	Each Each	1		Total			Total
1 2 0	Labor ther Detail	DHW Tank Insulation	Each Each	1		Total			Total
1 2 0	Labor ther Detail	DHW Tank Insulation	Each Each	1		Total			Total
1 2 0	Labor ther Detail	DHW Tank Insulation	Each Each	1		Total			Total

Components

Inspected

Measure 6 DWH Tank Insulation

	water R-valu thickno Cut p and 1 Interio with zi approv	es labor cost. Insulate the heater. Use pipe wrap with le of at least 2. Cover elboress as pipe. All corners muroperly. Keep pipe insulation inch away from Type B velor diameter of pipe sleeve in the tipe, tape, or other wed method. Refer to Appetals and Tennessee Weath	n a ws , union ust be on 6 inche nt. must mate	s, and s away	other fittings  / from single	to the sa wall vent	ame : pipe		
	i ioiu (	oulde.			Estimated			Actual	
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	DHW Pipe Insulation	Each	1					
2	Labor	DHW Pipe Insulation	Each	1					
0	ther Detail								
				Measur	e Sub Total:			Sub Total:	
Γ	Field Notes:					,			

Components

Measure 7 DWH Pipe Insulation

Inspected

#### Measure 8 Floor Ins. R-19

Client ID: 80008KN1811

## Components f2

## Inspected

#### Comment

Floor Insulation

Includes labor cost. Contractor's responsibility to seal penetration in floor before installing insulation. Contractor to install using Resnet Grade 1 Standards. Insulation faced or unfaced is installed to maintain permanent contact with the subfloor above (paper side against subfloor) including necessary supports (e.g. staves for blankets). Insulation to have NO gaps, voids, or compressions. ✓ Install R19 insulation between floor joists. ✓ Insulation should be installed snugly against the floor and without voids or gaps. Insulation should fit snugly around cross bracing and other obstructions. ✓ securely fasten batt insulation to framing with insulation hangers, plastic mesh, or other supporting material. Insulation should contact subfloor to prevent convecting air above the insulation from reducing its Rvalue. \( \int \) Faced insulation should be installed with the foil or kraft facing placed up towards the floor sheathing. The batt should fill the whole cavity if insulation is supported by lath or plastic twine underneath. For batts that do not feel the whole cavity, use wire insulation supports. It is important that ground moisture barrier is properly installed in the crawlspace to protect the insulation and ensure proper R-value is achieved. Floor insulation should fit tightly against the rim joist. If balloon framed, air seal stud cavities prior to installing floor insulation. Refer to Appendix A- Standards for Weatherization Materials and Tennessee Weatherization Field Guide. The addition of insulation in an existing home is a common weatherization measure. Whenever there is installation of any type of floor, wall, or attic insulation, the Contractor must provide a certificate. This certificate is referred to as a "receipt" in the Federal Trade Commission's (FTC) guidance. This will be effective with any job posted August 15th or later.

This certificate should be given to the Client and/or Owner of the property. In addition, a copy of the certificate must be posted at the property and a copy of the certificate must be inserted in the Client's file and retained at the Agency.

Points to remember about the Insulation Certificate:

- •The copied certificate posted at the property should be secured to a rafter, stud, or joist. It must be in plain view and placed close to an opening of the crawl space or attic for accessibility.
- •For wall insulation a certificate should be secured on a wall in the attic if possible.
- •A certificate can combine areas where insulation was installed as long as the certificate reflects all information for each area.
- •For roll insulation the certificate must clearly show all the coverage area(s) where the insulation was installed, thickness of the insulation, and the R-value of the insulation installed. The certificate must be dated and signed by the Insulation Contractor.
- •For loose-fill insulation, the certificate must be dated and signed by the

Contractor, show all the coverage area(s), initial installed thickness, minimum settled thickness, R-value, and the number of bags used.

- •Although this insulation has not been approved by DOE for insulating use in the WAP, per the FTC, spray foam insulation certificate must be signed and dated by the Contractor, show all the coverage area(s) of the insulation and the R-value of the insulation installed.
- •For aluminum foil, the receipt must show all the coverage area(s), the number and thickness of the air spaces, the direction of heat flow, and the R-value.

When providing the insulation certificate, Contractors who install insulation must comply with federal regulation 460.17.

§ 460.17 What installers must tell their customers.

If you are an installer, you must give your customers a contract or receipt for the insulation you install. For all insulation except loose-fill and aluminum foil, the receipt must show the coverage area, thickness, and R-value of the insulation you installed. The receipt must be dated and signed by the installer. To figure out the R-value of the insulation, use the data that the manufacturer gives you. If you put insulation in more than one part of the house, put the data for each part on the receipt. You can do this on one receipt, as long as you do not add up the coverage areas or R-values for different parts of the house. Do not multiply the R-value for one inch by the number of inches you installed. For loose-fill, the receipt must show the coverage area, initial installed thickness, minimum settled thickness, R-value, and the number of bags used. For aluminum foil, the receipt must show the number and thickness of the air spaces, the direction of heat flow, and the R-value.

				Estimated	•		Actual	
Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
Insulation	Floor Insulation - Fiberglass Faced Batt - R-19	SqFt	416		Tention			
Labor	Floor Insulation - Fiberglass Faced Batt - R-19	SqFt	416					
Other Detail				1		<b>1</b>		
						<u> </u>		
			Measur	e Sub Total: [			Sub Total:	
Field Notes:								

Client ID: 80008KN1811

#### Measure 9 Floor Ins. R-19

Client ID: 80008KN1811

## Components f1

## Inspected

#### Comment

Floor Insulation

Includes labor cost. Contractor's responsibility to seal penetration in floor before installing insulation. Contractor to install using Resnet Grade 1 Standards. Insulation faced or unfaced is installed to maintain permanent contact with the subfloor above (paper side against subfloor) including necessary supports (e.g. staves for blankets). Insulation to have NO gaps, voids, or compressions. / Install R19 insulation between floor joists. / Insulation should be installed snugly against the floor and without voids or gaps. Insulation should fit snugly around cross bracing and other obstructions. ✓ securely fasten batt insulation to framing with insulation hangers, plastic mesh, or other supporting material. Insulation should contact subfloor to prevent convecting air above the insulation from reducing its Rvalue. ✓ Faced insulation should be installed with the foil or kraft facing placed up towards the floor sheathing. The batt should fill the whole cavity If insulation is supported by lath or plastic twine underneath. For batts that do not feel the whole cavity, use wire insulation supports. It is important that ground moisture barrier is properly installed in the crawlspace to protect the insulation and ensure proper R-value is achieved. Floor insulation should fit tightly against the rim joist. 🗸 If balloon framed, air seal stud cavities prior to installing floor insulation. Refer to Appendix A- Standards for Weatherization Materials and Tennessee Weatherization Field Guide. The addition of insulation in an existing home is a common weatherization measure. Whenever there is installation of any type of floor, wall, or attic insulation, the Contractor must provide a certificate. This certificate is referred to as a "receipt" in the Federal Trade Commission's (FTC) guidance. This will be effective with any job posted August 15th or later.

This certificate should be given to the Client and/or Owner of the property. In addition, a copy of the certificate must be posted at the property and a copy of the certificate must be inserted in the Client's file and retained at the Agency.

Points to remember about the Insulation Certificate:

- •The copied certificate posted at the property should be secured to a rafter, stud, or joist. It must be in plain view and placed close to an opening of the crawl space or attic for accessibility.
- •For wall insulation a certificate should be secured on a wall in the attic if possible.
- •A certificate can combine areas where insulation was installed as long as the certificate reflects all information for each area.
- •For roll insulation the certificate must clearly show all the coverage area(s) where the insulation was installed, thickness of the insulation, and the R-value of the insulation installed. The certificate must be dated and signed by the Insulation Contractor.
- •For loose-fill insulation, the certificate must be dated and signed by the

Contractor, show all the coverage area(s), initial installed thickness, minimum settled thickness, R-value, and the number of bags used.

•Although this insulation has not been approved by DOE for insulating use in the WAP, per the FTC, spray foam insulation certificate must be signed and dated by the Contractor, show all the coverage area(s) of the insulation and the R-value of the insulation installed.

•For aluminum foil, the receipt must show all the coverage area(s), the number and thickness of the air spaces, the direction of heat flow, and the R-value.

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Dryer Vents installed with damper. Metal pipe installed without any fasteners protruding through pipe.

Must be vented to outside of home. No changes allowed. Refer to Attachment A- Standards for Weatherization Materials and Tennessee Weatherization Field Guide.

					Estimated			Actual	
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Labor	Floor Insulation <i>-</i> Fiberglass Faced Batt - R-19	SqFt	150					
1	Insulation	Floor Insulation - Fiberglass Faced Batt - R-19	SqFt	150					
2	Miscellaneous Su	dryer vent	Each	1			11/1/		

Client ID: 80008KN1811

#### Measure 10 Attic Ins. R-30

### Components a2

## Inspected

#### Comment

Attic Insulation

Includes labor cost. Contractor to install 1 ruler for every 300 square foot of attic space showing depth of insulation. Insulation should cover the entire area intended for insulation without voids or edge gaps. Blown insulation should be installed at sufficient density to resist settling, according to manufacturer's instructions .Loose fiberglass is blown in attics from 0.5 to 0.9 pcf and at that density the R-value is around 3.2 per inch. Loose cellulose is blown in attics from 0.6 to 1.2 pcf and at that density range, the R-value is around 3.7 per inch, Insulation should be protected from air migrating around and through it by an effective air barrier. Air sealing attics must precede attic insulation and this may require removing existing insulation and debris that currently prevent effective air sealing. Box around recessed light fixtures and exhaust fans to prevent overheating and/or fire. Install collars or dams around masonry chimneys, B-vent chimneys, and manufactured chimneys after sealing the air leaks around them. ✓ if rolled metal is used as a barrier around heatproducing devices or chimneys, it must be fastened securely to the ceiling joist so the barrier won't collapse. Barriers should extend at least 4 inches above the insulation and be secured to keep insulation a minimum of 3 inches away from the heat-producing device. ✓ All-fuel wood-stove chimneys should have ventilated insulation shields. Covering recessed light fixtures: Covering recessed light fixtures with fire-resistant drywall or sheet-metal enclosures reduces air leakage and allows insulation to be blown around the box. ✓ If you plan to cover an electrical junction box with insulation, mark its location with a sign, flag, or other marker.

Install baffles in every joist or truss bay to ensure no insulation enters the soffit area. Seal holes, gaps, and penetrations in attic before insulating. Seal around chimney with sheet metal and high temperature silicone or fire resistant foam. Install R-30 fiberglass batt secured to attic access and weather strip with foam tape. Contractor to install using Resnet Grade 1 Standards. Refer to Appendix A- Standards for Weatherization Materials and Tennessee Weatherization Field Guide. The addition of insulation in an existing home is a common weatherization measure. Whenever there is installation of any type of floor, wall, or attic insulation, the Contractor must provide a certificate. This certificate is referred to as a "receipt" in the Federal Trade Commission's (FTC) guidance. This will be effective with any job posted August 15th or later.

This certificate should be given to the Client and/or Owner of the property. In addition, a copy of the certificate must be posted at the property and a copy of the certificate must be inserted in the Client's file and retained at the Agency.

Points to remember about the Insulation Certificate:

Client ID: 80008KN1811

- •The copied certificate posted at the property should be secured to a rafter, stud, or joist. It must be in plain view and placed close to an opening of the crawl space or attic for accessibility.
- •For wall insulation a certificate should be secured on a wall in the attic if possible.

- •A certificate can combine areas where insulation was installed as long as the certificate reflects all information for each area.
- •For roll insulation the certificate must clearly show all the coverage area(s) where the insulation was installed, thickness of the insulation, and the R-value of the insulation installed. The certificate must be dated and signed by the Insulation Contractor.
- •For loose-fill insulation, the certificate must be dated and signed by the Contractor, show all the coverage area(s), initial installed thickness, minimum settled thickness, R-value, and the number of bags used.
- •Although this insulation has not been approved by DOE for insulating use in the WAP, per the FTC, spray foam insulation certificate must be signed and dated by the Contractor, show all the coverage area(s) of the insulation and the R-value of the insulation installed.
- •For aluminum foil, the receipt must show all the coverage area(s), the number and thickness of the air spaces, the direction of heat flow, and the R-value.

When providing the insulation certificate, Contractors who install insulation must comply with federal regulation 460.17.

§ 460.17 What installers must tell their customers.

If you are an installer, you must give your customers a contract or receipt for the insulation you install. For all insulation except loose-fill and aluminum foil, the receipt must show the coverage area, thickness, and R-value of the insulation you installed. The receipt must be dated and signed by the installer. To figure out the R-value of the insulation, use the data that the manufacturer gives you. If you put insulation in more than one part of the house, put the data for each part on the receipt. You can do this on one receipt, as long as you do not add up the coverage areas or R-values for different parts of the house. Do not multiply the R-value for one inch by the number of inches you installed. For loose-fill, the receipt must show the coverage area, initial installed thickness, minimum settled thickness, R-value, and the number of bags used. For aluminum foil, the receipt must show the number and thickness of the air spaces, the direction of heat flow, and the R-value.

Cut in the ceiling an attic access door 22" x 30". If unable to achieve, then opening must be equal to 660

square inches 22" x 30". An attic access door is installed as a complete unit. A door is inclusive of foam

seal, trim, paint (1st quality semi gloss color to be chosen by homeowner, caulk, and R-30 Batt

insulation. Build an insulation dam around the attic access hatch. Insulate the hatch to R-30 value. Build the dam

with rigid materials like plywood or oriented strand board so the dam supports

the weight of the person entering

or leaving the attic. Weatherstrip the attic access to air seal the access and provide uninterrupted air barrier

between the attic and conditioned space. It is the best practice to seal hatches in the unconditioned space such as

carports and attached garages and stairwells. All attic hatches must have a locking device that securely hold the

access in place and slightly compresses the weatherstripping.. Do not cut the framing member to install a hatch

without approval from a local agency, a structural engineer, and local codes enforcement if applicable. The

dam's purpose is to prevent loose-fill insulation from falling out of the attic hatch when opened. Install latches,

sash locks, gate hooks or other positive closure to provide substantially airtight hatch closure. No changes allowed

. Refer to Appendix A- Standards for Weatherization Materials and Tennessee Weatherization Field Guide.

					Estimated			Actual	
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Attic Insulation - Fiberglass, Blown - R-30	SqFt	416					
1	Labor	Attic Insulation - Fiberglass, Blown - R-30	SqFt	416					
2	Miscellaneous Su	attic access	Each	1					
2	Labor	labor	Each	1					
C	ther Detail								
[									
				Measur	e Sub Total:		:	Sub Total:	
	Field Notes:								

Measure 11 CO Monitor is Needed					Inspected				
С		o Appendix A- Standard rization Field Guide.	s for Weat	heriza	tion Materials	s and Te	ennesse	е	
					Estimated			Actual	
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	CO monitor	Each	1					
2	Labor	Labor	Each	1					
2	Other Detail	1	[]	· [·	1 [		1		
L									
								***************************************	
				Measur	e Sub Total:		] :	Sub Total: [	
	Fleld Notes:								

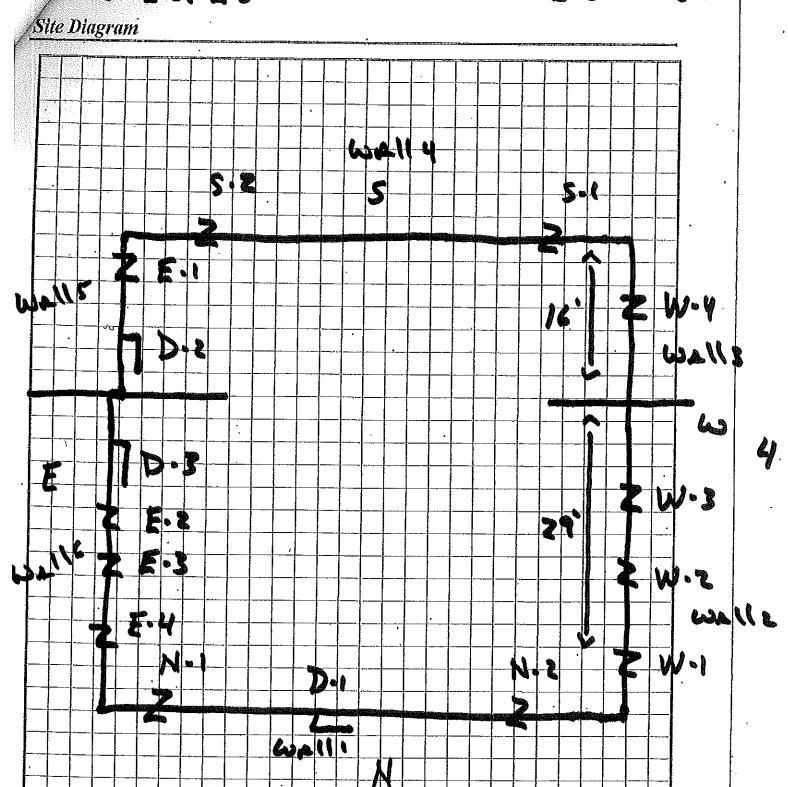
Meas		mproper Venting of Ba aust Fan	throom		Componen	ts			Inspected
Comn	fittings, of galvanizh de galva	nts installed to outside of soffit fittings, Use rigided steel, stainless steel, the vent pipe with R-8 nt condensation. Bathrop prevent movement. Avaible plastic or aluminumerallowed. Refer to Appelds for Weatherization Manager in the province of the condensation o	or copper om vent pi oid n duct bec ndix A-	vent p ipe mu ause tl	ipe for bath st be secure nese restrict	exhaust ly fastend airflow.	vent piped and		
					Estimated	•		Actual	
# Mate	rial / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	t Total
1 Hea	lth and Safety	Bath Vent w/ Piping to Outside	Each	1					
2 Lab	or	Labor	Each	1					
Other I	Detail								
									, , , , , , , , , , , , , , , , , , , ,
				Measur	e Sub Total:		] ;	Sub Total:	
Field	Notes:						·		

M	easure 13 Fix V	entilation Inadequate	2 roof ve	nts	Component	ts			Inspected
Coi	of 1/300 space be Appendi Weather	nts installed on Low part of the area of eing ventilated.1/2 high a x A- Standards for ization Materials and Te Do not install roof vents o	nd 1/2 lov nnessee V	v. No c Veathe	hanges allov	ved. Ref	er to		
					Estimated			Actual	
# N	laterial / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1 F	lealth and Safety	Roof Vent	Each	2					
2 L	abor.	Labor	Each	2					
Oth	er Detail				· · · · · · · · · · · · · · · · · · ·		,		
		TT ( f more) ( mar m m m m m m m m m m m m m m m m m m							
			i	Measur	e Sub Total:		] ;	Sub Total:	
F	leld Notes:								

Measur	e 14 Insta	all Electric Water Heate	r 50 Gallo	n	Componen	ts			Inspecte
Commen	Any repl	Electric or equivalent. acement electric water h I be insulated with at lea					f at leas	st	
		or to follow 2006 Interna noxville or Knox County le.		identia	al Code as a	dopted b	y the		
					Estimated			Actual	
# Material	/Labor	Description / Comment	Units	Qty	<b>Unit Cost</b>	Total	Qty	Unit Cost	Total
1 Health	and Safety	Install Electric Water Heater	Each	1					
2 Labor		Labor	Each	1					a111777
Other Deta	a//								
		***************************************							
				Measur	e Sub Total:		] ,	Sub Total:	
Field No	tes:				<u> </u>				

i	•	or Barrier Needed 504 s ndation 2)	q ft		Componen	ts			Inspected
C	voids or foundati polyuret acoustic Overlap the sear making i Keep pla Appendi	6 mil poly. Must be insta gaps with 6" turned up a on walls and interior supphane adhesive or cal sealant and (wood fur at least 12" at all joints. Sins in the moisture barrier it a air moisture barrier astic at least 3" away from x A-Standards for	III port piers rring strips Seal with cons	and most and most and most and most and cons	ust be secure st be secure on tape or ac struction ma	ely faster d at all se coustical s terial. Ref	ed with ams. ealant	1	
	vveatnei	rization Materials and Ter	nnessee \	/Veathe	erization Fiel <i>Estimat</i> ed			Actual	
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Basement / Crawlspace Vapor Barrier	SqFt	504					
2	Labor	Labor	SqFt	504					
2	Other Detail								
[									
				Measur	e Sub Total:			Sub Total:	
	Field Notes:	ŗ							
			Work Or	der Gra	nd Total:		Gran	d Total:	

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Cllent Name:	
. Client ID;	
Alt. Client ID:	